

Abstract

The invention relates to an axial piston machine, in particular, an air-conditioning compressor for motor vehicles, with at least one piston (1, 40, 101), an essentially cylindrical piston shaft (3, 42, 102) and an enclosure (5, 44, 104), which encloses a tilt ring (82) or a tilt disc (106) and a piston slipper (105) sliding on said tilt ring (82) or said tilt disc (106), whereby the enclosure (5, 44, 104) has spherical recesses (15, 17, 54, 62) for housing the piston slipper (105).